

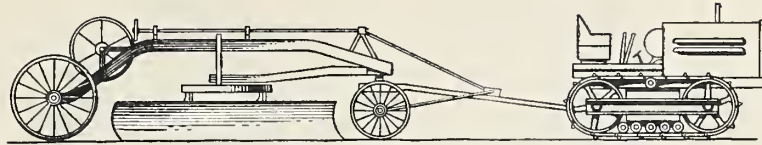
Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

1.9
gms

★ JUL 1 1937
U. S. Depart.

CONSTRUCTION



HINTS

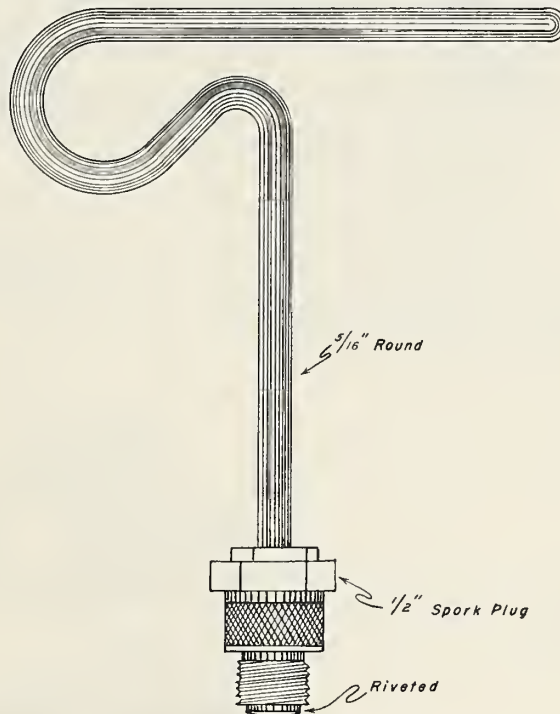
UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE
WASHINGTON, D. C.

Vol. 3.

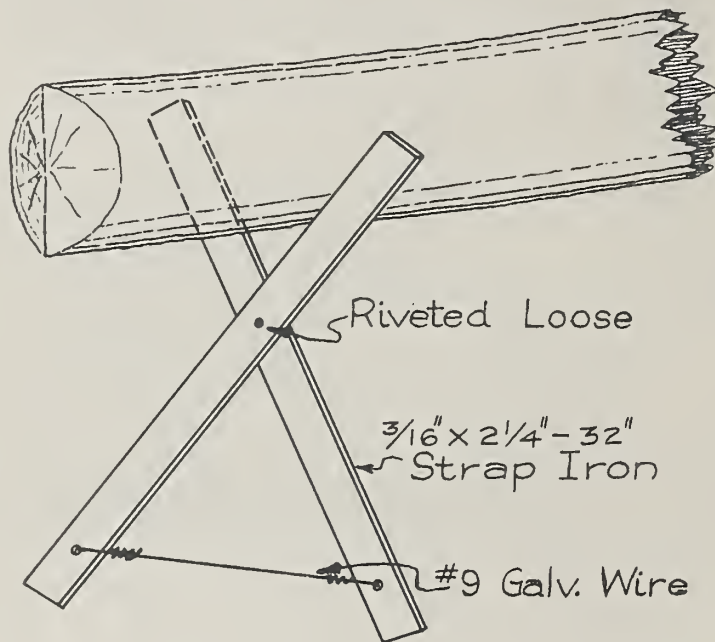
August 14, 1937.

No. 11.

Designed by:
Joseph McMahon
Camp S-58 Region 7

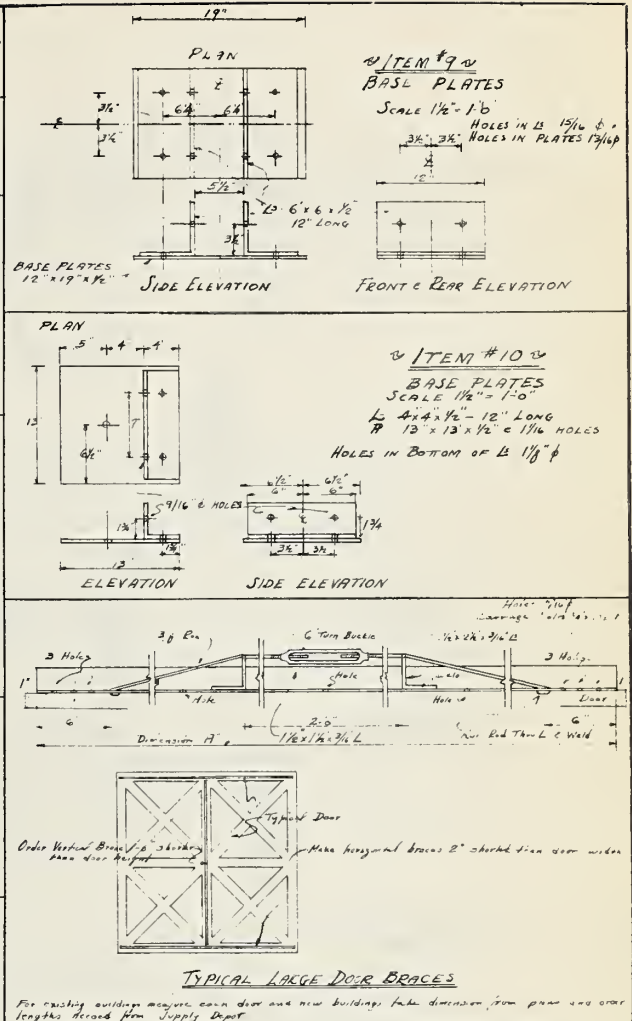
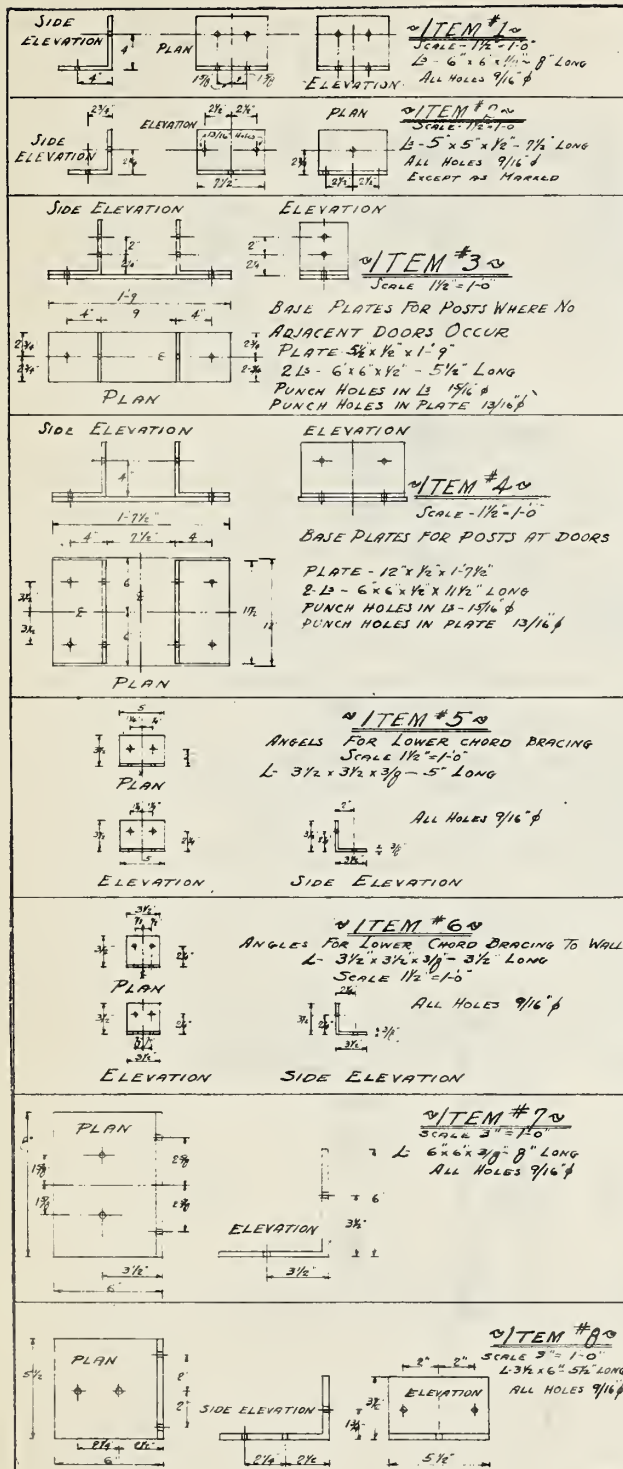


FORD V8 CYLINDER-HEAD LIFTER



REGION 9
 PORTABLE SAW HORSE
 FOR ROOFING TELEPHONE POLES

DESIGNED AT CAMP WALKERVILLE F26
 BY B. MARKNESS DRAWN BY C.A.



NOTES:

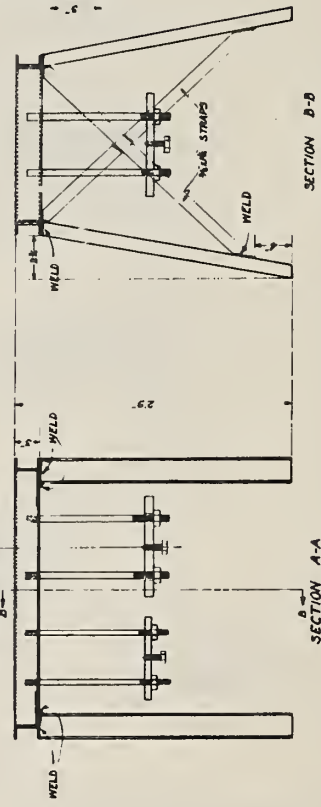
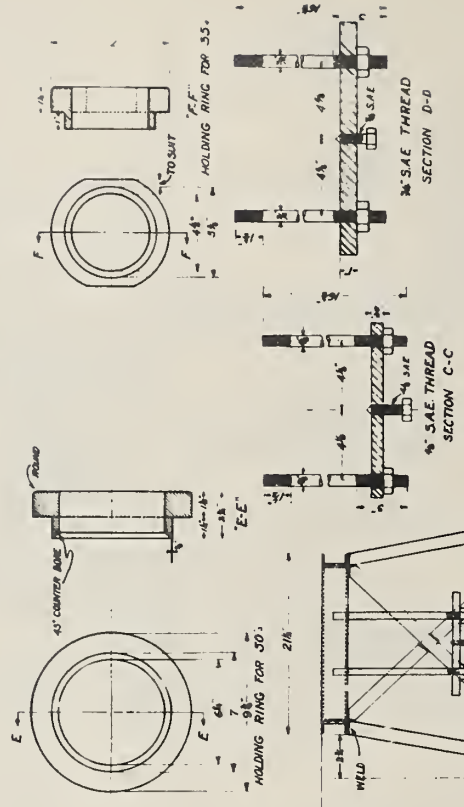
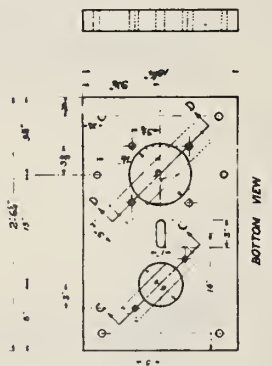
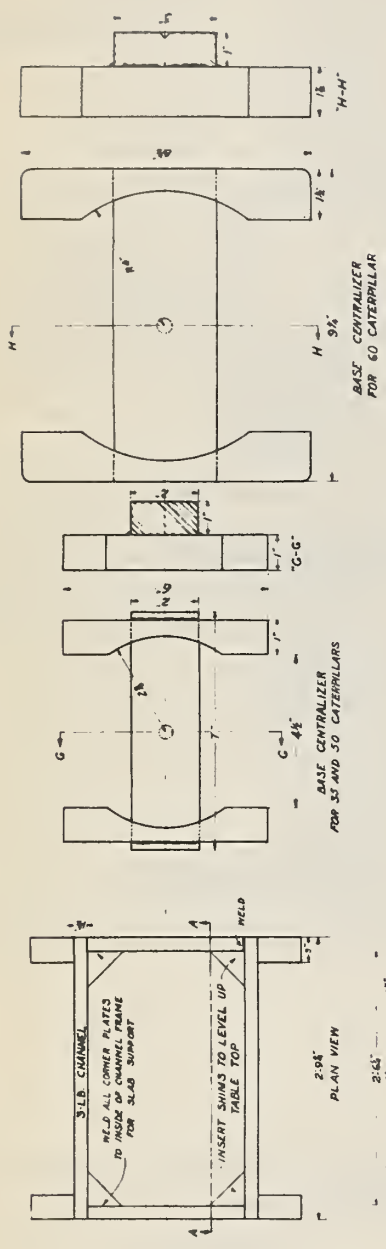
See Specification for quantities and all other information. Item numbers shall be shop marked on each piece and item shall be wired together in sets at shop.

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

REGION FIVE JOHN C. BEERE REGIONAL ENGINEER

MISCELLANEOUS IRON DETAILS

DESIGNED JTCM DRAWN J.C. TRACKED J.C.
SCALE AS SHOWN CHECKED J.C.
APPROVED J.C. REVISED DATE FEB 27/1972



REBORING TABLE FOR TRACTOR CYLINDERS.
 SHIP FABRICATED TABLE FOR USE WITH ABOVE BMT
 MOUNTED ON TABLE SLAB

RECON 6 T.P. Flynn R.E.H.
 OWP OWP
 18'-3-4006-110"
 S.B.-37 34-211

USE OF BORING BAR TABLE WITH NO. 999 VAN NORMAN BAR

The boring bar table shown on the opposite page is constructed for use with a No. 999 Van Norman Bar, and the combination of bar and table is used mainly for the purpose of boring tractor and other large cylinders which are case singly or in pairs.

Examples

Cylinders of Caterpillar "60" are fitted to the table slab, or plate, by placing the bottom, or shirt, through the larger hole in the slab, then place the larger base centralizer under the cylinder and tighten the 5/8 SAE cap screw located in the bottom of the plate of the clamp jig, forcing the cylinder tight against the slab or plate.

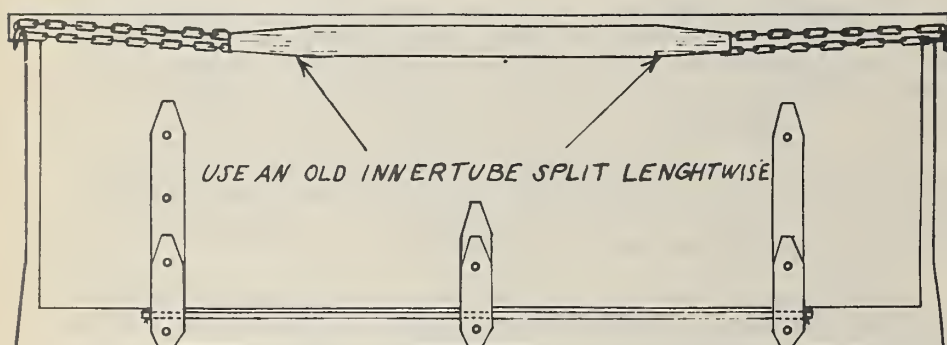
When boring cylinders for "30" to "50" size Caterpillars, the smaller size cylinders, holding rings must be placed on the cylinder skirts before placing them up to the table slab. The small base centralizer is used for the smaller cylinders.

When using the holding ring for smaller cylinders like the "30" Caterpillar, this ring is used only as a spacer and the boring will be done through the smaller hole in the table slab.

The clamping jigs can be adjusted in various ways to handle different shapes and sizes of cylinders.

This table arrangement is devised principally for holding cylinders which are constructed singly or not more than two in a block.

When boring Cletrac or other cylinders where there are more than two cast in one block, the reboring table is not used, and the boring bar is then mounted on the block and the cylinder block serves as a table slab.



U. S. FOREST SERVICE REGION 6
 MECHANICAL IMPROVEMENTS & REPAIRS
 ANTI-RATTLER FOR TAIL
 GATE CHAIN FOR TRUCK
 SUBMITTED BY GUY POWELL
 FOREST OCHOCO DATE 4-9-37
 PORTLAND ORE. SKETCH 019